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The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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THE PATENT OFFICE

PATENTS AND DESIGNS

Calcuttt, the 11th February 1995

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Rest of India.

Telegraphic address "PATENTS".

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 11 फरवरी 1995

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार क्षेत्र के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
सीमरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एक्स में 401 से 405, तीसरा तल,
सरकारिया बाजार भवन,
सरस्वती मार्ग, करोल बाग
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600002 ।

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य और संघ शासित क्षेत्र लक्षद्वीप, मिनिकोय तथा अमिनिदिवि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निज़ाम पैलेस, द्वितीय बहुमंजीय कार्यालय,
मंजिल 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

शेष भारत का आशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, याचिकाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के उपरोक्त उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान में अवस्थित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट द्वारा कौंच द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India Part III Section 2, dated 26-11-1994, page 1069, Column-2, under heading "cessation of patents".

Delite—Patent No. 158993.

In the Gazette, Part III, Sec-2, advertised on 4-9-93, under the accepted completed specification No. 985/Del/85 (172492) dated 22nd November 1985. Include the line "Divided out of application No. 179/Del/83 (159022) ante dated to 18 March 1983".

In the notification published in Part III Section 2 of the Gazette of India, No. 15 dated 9th April 94, in Page 334, under heading "Complete Specification Accepted" in respect of Patent No. 173331 the following amendment shall be incorporated.

FOR

Applicant : ELECTRICITY COUNCIL, UNITED KINGDOM, P.O. BOX 209, 30, MILLBANK, LONDON SW1P 4RD United Kingdom.

READ

Applicant : ELECTRICITY ASSOCIATION SERVICES LIMITED OF 30, MILLBANK, LONDON SW1P 4RD UNITED KINGDOM.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent branch are the dated claimed under section 135, of the Patent Act 1970.

9-12-1994

1024/Cal/94. Philips Electronics N.V. Method and arrangement for transmitting speech signals.

1025/Cal/94. D2B Systems Company Limited. Local communication system and station for use in such a system. (Convention No. 9325300.3; dated 10-12-1993; U.K.).

1026/Cal/94. E.I. Du Pont De Nemours and company. Improvements in continuous filaments, yarns and tows.

1027/Cal/94. Hoechst Aktiengesellschaft. Oil-in-water emulsions.

1028/Cal/94. Murata Manufacturing Co. Ltd. Magnetostatic wave device.

1029/Cal/94 Haruo Kasawa, Eiichiro Nakayama, and Fumihiko Yoshimura. Biodegradation process for treating organic wastewater.

12-12-1994

1030/Cal/94. Great Lakes Chemicals Corporation. Process for the synthesis of 1-Bromo-2-Fluoroethane.

1031/Cal/94. E.I. Du Pont De Nemours and Company. Arthropodicidal Azacyclic heterocycles.

1032/Cal/94. E.I. Du Pont De Nemours and Company. Arthropodicidal oxazolines and thiazolines.

1033/Cal/94. E.I. Du Pont De Nemours and Company. Fungicidal Cyclicamides.

1034/Cal/94. E.I. Du Pont De Nemours and Company. Arthropodicidal Pentafluorothio substituted Anilides.

1035/Cal/94. E.I. Du Pont De Nemours and Company. Strong non-ionic base catalyzed ring opening polymerization oflactams.

1036/Cal/94. Mitsui Toatsu Chemicals, Incorporated. Polymerization process of vinyl chloride.

1037/Cal/94. Agrogene L.d. Novel compounds and method of making same and a novel method to protect plants form fungal infection.

13-12-1994

1038/Cal/94. Asta Medica Aktiengesellschaft. Packaging for small, pre-metered amounts of a finely dispersed solid substance and a device for administering medicaments in a solid form finely disposed in a stream of air.

1039/Cal/94. Bal Krishna Sinha. Vacuum engine with piston cylinder arrangement.

1040/Cal/94. Lajos Nagy, and Valentin Nagy. Controlled eitc.ronic switch.

1041/Cal/94. Otec Developments. Ocean Thermal energy conversion system.

14-12-1994

1042/Cal/94. Thomson Consumer Electronics, Inc. Scan Velocity Modulation circuit.

1043/Cal/94. Goldstar Co. Ltd. Device for preparation of Hexagonal water.

15-12-1994

1044/Cal/94. Borealis Holdings A/s. Polyethylene compatible sulphonic acids as silane crosslinking catalysts.

1045/Cal/94. Eli Lilly and Company. An improved enzymatic method for preparing cephalosporins. (Divided out of No. 231/Cal/93; antedated to 21-04-1993).

1046/Cal/94. Precise Power Corporation. Versatile Dynamo Electric machine.

1047/Cal/94. SKF Textilmaschinen-Komponenten GmbH. Roller supporting bracket assembly for use in drafting system rolling mill for spinning machine.

16-12-1994

1048/Cal/94. Santanu Roy. A novel system of hollow bodies or substrates filled with polymeric foams.

1049/Cal/94. Degussa Aktiengeselischaft. Acrolein Polymer.

1050/Cal/94. Mrs. Snigdha Maji. A process for the preparation a novel medicine effective against many diseases.

1051/Cal/94 Amalesh Sarkar. An invention relating to improvements in or relating to catalytic oxidation process.

1052/Cal/94. Litle Rapids Corporation. Disposable filters and manufacturing process.

1053/Cal/94. Controled environmental systems Corporation. Municipal solid waste processing facility and commercial ethanol production process.

1054/Cal/94.Goldstar Co. Ltd. An automatic thawing apparatus for a microwave oven.

19-12-1994

1055/Cal/94. Timothy G. Galarnyk. Double saddle clamp.

1056/Cal/94. Stork Screens B.V. Metallic screen material having a strand or fibre structure, and method for manufacturing such a material.

1057/Cal/94. Stork Screens B.V. Screen material made of wire, method and device for the production thereof, and a sleeve made of such screen material.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पटट अनुदान का विरोध करने के इच्छुक कोई व्यक्त, इसके निर्गम की तिथि से चार(4) महीने या अधिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत् विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के

साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है ।

Cl. : 31 A, 172 J 174681

Int. Cl.[5] : D 01 D 4/00, 4 02, 4 06, 4/08.

SPINNERET CAPILLARIES.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventor : HENRY KOBSA.

Application No. 888/Cal/1989; filed on 25th October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

Spinneret capillaries comprising a metal plate having upper and lower surfaces connected by a passage, said passage existing said lower surface in a capillary length, said capillary length having a length to width ratio greater than 1.5 with sidewalls that taper in the direction of said lower surface at an included angle of greater than 3 degrees.

Fig 1

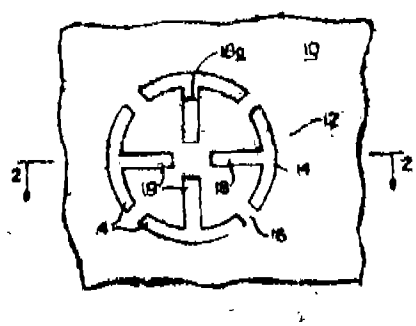
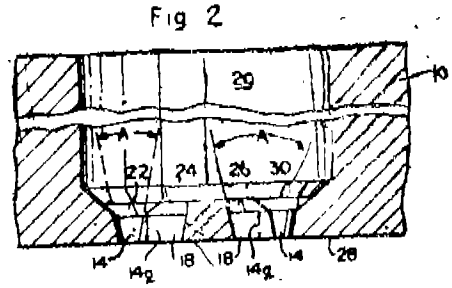


Fig 2



(Compl. Speen. 7 pages. Drgns. 1 sheet)

Cl. : 68 C. 174682

Int. Cl. : F 16 H. 61/32.

ELECTRICALLY ACTUATED X-Y SHIFTING MECHANISM.

Applicant : EATON CORPORATION OF EATON CENTER, CLEVELAND, OHIO 44114, UNITED STATES OF AMERICA.

Inventors :

(1) STEPHEN ALTON EDELEN.
(2) DAVID THOMAS ALLEN.
(3) BILL ELLCOT ZYLMAN.

Application No. 1015/Cal/1989; filed on 08th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

9 Claims

An electrically actuated X-Y shifting mechanism (100) for controlling the shifting of change gears of a mechanical change gear transmission of the type having at least one shift rail (8, 10, 12) axially movable in a first axial (Y-Y) direction in a shift bar housing, said shift rail having a shift fork (14, 16, 18) associated therewith an da block mechanism (22, 24, 26) selectively engageable by an inner end of a mountable operated shift lever extending through an opening in the shift bar housing that is movable in a second (X-X) direction substantially transverse to the (Y-Y) direction for registration with the shift rail block mechanism and is movable in the (Y-Y) direction for engaging and causing said block mechanism (22, 24, 26) to move the shift rail (8, 10, 12) associated therewith axially to cause the shift fork (14, 16, 18) associated therewith to effect the change gear shift, said mechanism comprising;

a shift mechanism housing (30) mountable to said shift bar housing (32) and having a shift finger (20) extending into the shift rail housing opening therefrom,

a first shaft member (42) mounted for rotation on the mechanism housing and having the central rotational axis thereof in substantial parallel alignment with the (X-X) direction,

a first carrier member (44) disposed coaxially about the first shaft member (42) and axially movable in opposite directions therealong and rotatable in opposite rotational directions about the rotational axis thereof, said carrier member having the shift finger (20) fixedly secured thereto such that the axial movement of carrier member (44) moves the shift finger (20) in the (X-X) direction and rotational movement of the carrier member (44) moves the shift finger (20) in the (Y-Y) direction,

a second shaft member (46) journaled for rotation in opposite rotational directions on the mechanism housing (30) in spaced-apart relationship to the first shaft member (42), said second shaft member externally threaded and having a central rotational axis thereof in substantial parallel alignment with the first shaft member central rotational axis,

a first threaded traversing member (48) threadingly engaged with the second shaft member (46) and operable to traverse in opposite axial directions therelong in response to rotation of the second shaft member in opposite rotational directions, said traversing member (48) operable connected to the first carrier member (44) by means enabling the traversing member (48) to move the first carrier member axially along the first shaft member and cause the shift finger (20) to move in the (X-X) direction whilst enabling the first carrier member to rotate in opposite rotational directions about the first shaft member (42) and cause the shift finger (20) to move in the (Y-Y) direction,

at least one electrical motor (36) mounted on the mechanism assembly (30) and powered by an electrical power source, said motor drivingly connected to the second shaft member (46) and operable to rotate the second shaft member in a rotational direction determined by an electrical shift rail selection instruction signal received thereby,

means enabling the motor (36) to rotate the first shaft member (42) in a rotational direction determined by an electrical gear change shift instruction signal received thereby,

means for rotating the first carrier member (44) in response to rotation of the first shaft member, and

electrical circuit control means (40), operative to provide said shift rail selection instruction signal and said gear change

shift instruction signal to in response to one of a selected operator input signal (S_1) or speed signal (S_2) received thereby.

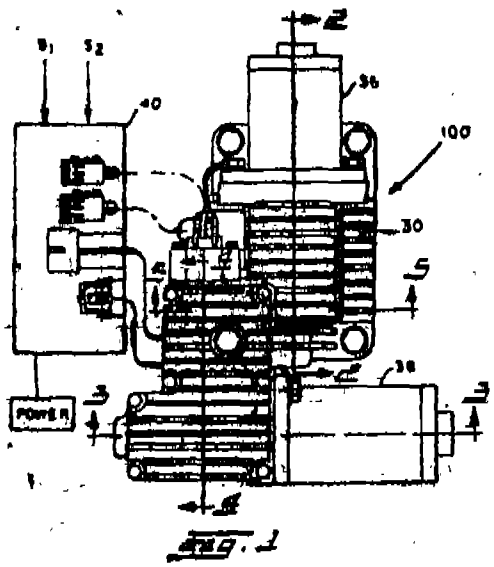


FIG. 1

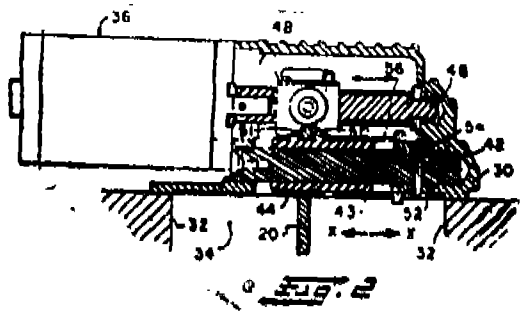


FIG. 2

(Compl. Specn. 17 pages. Drgns. 4 sheets)

Cl. : 53 C 174683

Int. Cl. : B 62 M 25/08, 25/00, 9/00.

IMPROVED AUTOMATIC DERAILLEUR SHIFTER.

Applicant : INNOVATIVE BICYCLE PRODUCTS INC. (PREVIOUSLY BIKE-O-MATIC, LTD.) OF 2337 PHILMONT AVENUE, SUITE 105, HUNTINGDON VALLEY, PENNSYLVANIA 19006, UNITED STATES OF AMERICA.

Inventor : LAROY J. VAN DYKE.

Application No. 100/Cal/1990; filed on 05th February 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

21 Claims

An automatic derailleur shifter comprising a hydraulic cylinder, the hydraulic cylinder comprising a hollow, cylindrical body having an interior periphery; a piston rod reciprocal within the body between a first upper position and a second lower position, the piston rod terminating in a piston receiving end, a dual element piston secured to the piston rod for movement within the hollow interior of the cylindrical body between a first, downward position and a second upward position, the piston comprising a fixed piston element and a movable piston element, the fixed piston element being secured to the piston rod in spaced relationship from the piston rod end, the fixed piston element having an outer diameter that is less than the inner diameter of the cylindrical body, the outer diameter of the fixed piston element and the inner diameter of the cylindrical body defining a first hydraulic fluid passage to permit substantially unrestricted hydraulic fluid flow there-through, the movable piston element being provided with a central bore of diameter larger than the diameter of the piston rod the central bore receiving a portion of the piston rod therethrough to define a second substantially unrestricted, hydraulic fluid passage; and restrictive channel means provided in the fixed piston element to form a third, restricted hydraulic fluid channel through the fixed piston element, the restrictive channel means being in fluid communication with the first hydraulic fluid passage and the second hydraulic fluid passage when in the second, downward position and being in fluid communication only with the second hydraulic fluid passage when in the first upward position.

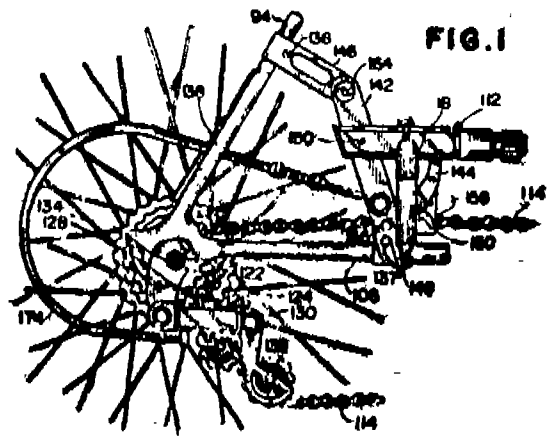


FIG. 1

(Compl. Spcn. 24 pages. Drgns. 2 sheets)

Cl. : 145 B, D. 174684

Int. Cl.[4] : B 05 B 3/02.

SHOWER SYSTEMS.

Applicant : KINGSLEY CORPORATION (P) LTD. OF 7, CHITTARANJAN AVENUE, CALCUTTA-700 072, INDIA.

Inventors : (1) MR. KISHAN KHAITAN AND (2) MR. BASANT KHAITAN.

Application No. 294/Cal/1990; filed on 09th April 1990.

Complete Specification left on 07th December 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

A shower system for better, uniform, complete, economic and trouble-free cleaning of the item to be cleaned in any industry and in particular wire cloth/felt/other elements in a paper machine, comprising means for spraying cleaning fluid, such as pipe with nozzles connected to a source of cleaning fluid, such as water, means for moving the pipe with nozzles along the surface/width of the item to be cleaned in particular paper machine/wire cloth/felt, said means for moving being connected to a racer nut and a reversible ball screw assembly, wherein the reversible ball screw comprising threads disposed at angle with respect to the axis of rotation of the ball screw, characterized in that the threads starting at one point of the reversible ball screw, extending spirally along the length of the reversible ball screw in both directions and ending at one point of the other end of the reversible ball screw, such that a racer nut comprising one middle and one or two extreme pockets, said pockets containing balls, the middle pocket being circular and extreme pocket

being elliptical and balls being spherical, will have a backward and forward motion with a undirectional rotation of the reversible ball screw.

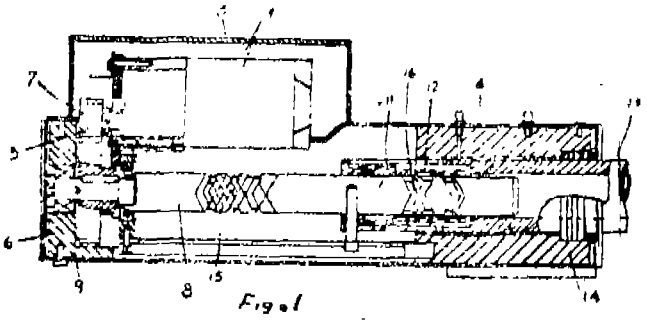


Fig. 1

(Compl. Specn. 24 pages, Drgns. Nil)
(Provn. Specn. 16 pages. Drgns. 3 sheets)

Cl. : 39 L. 174685

Int. Cl.[4] : C 01 G 23/047.

METHOD FOR PRODUCING PARTICULATE TITANIUM OXIDES.

Applicant : KERR-MCGEE CHEMICAL CORPORATION OF OKLAHOMA 73125 UNITED STATES OF AMERICA.

Inventor : THOMAS IAN BROWNBRIDGE.

Application No. 422/Cal/1990; filed on 22nd May 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

24 Claims

A method for producing particulate titanium dioxide from titanium tetrahalides comprising the steps of :

forming a first aqueous solution comprised of a titanium tetranalide and sulfuric acid and heating said first aqueous solution to a sufficiently elevated temperature as herein described whereby said titanium tetranalide and said sulfuric acid react to produce in said first solution a dissolved intermediate product comprising titanyl sulfate;

continuing the heating of said first aqueous solution at an elevated temperature as herein described and in the presence of a quantity of a previously prepared particulate titanyl sulfate whereby said dissolved titanyl sulfate intermediate is caused to crystallize from said first aqueous solution;

separating said crystallized titanyl sulfate intermediate from said first aqueous solution to produce a wet filter cake comprising residual mother liquor and said crystallized titanyl sulfate intermediate;

forming a second aqueous solution comprised of said filter cake dissolved in a quantity of an aqueous solvent medium, said quantity being sufficient to effect dissolution of the crystallized titanyl sulfate intermediate contained in said filter cake, but insufficient to effect hydrolysis thereof;

subjecting said dissolved crystallized titanyl sulfate intermediate to hydrolysis by combining said second aqueous solution with a further quantity of said aqueous solvent medium heated to an elevated temperature as herein described whereby said dissolved crystallized titanyl sulfate intermediate contained in said second solution is hydrolzed to produce a particulate amorphous titanium dioxide intermediate;

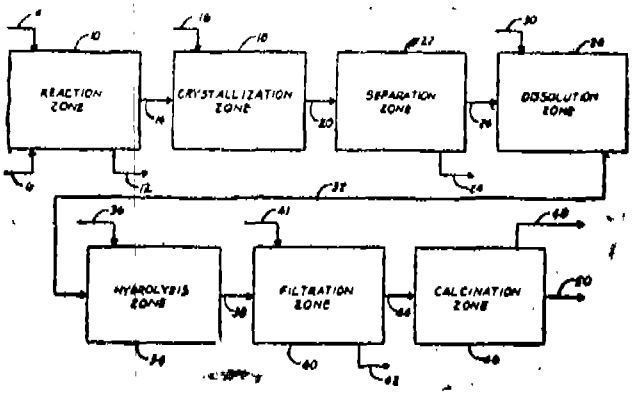
separating said particulate amorphous titanium dioxide intermediate from said aqueous solvent medium;

calcining as herein described said particulate amorphous titanium dioxide intermediate to provide a particulate crystalline titanium dioxide product and recovering said crystalline product substantially as produced;

and optionally, blending at least one additive agent into said particulate amorphous titanium dioxide intermediate;

wherein said additive agent is a material selected from the group consisting of alkali metal salts, phosphorus containing compounds and seed nuclei or particles of rutile titanium dioxide and

wherein said additive agent is blended into said particulate amorphous titanium dioxide intermediate in an amount ranging from about 0.1 to about 10.0 percent by weight based on the weight of the amorphous titanium dioxide intermediate.



(Compl. Specn. 24 pages. Drgns. 1 sheet)

Cl. : 195 B, D, E. 174686

Int. Cl. : F 16 K 31/00; 31/12.

VALVE APPARATUS FOR HYDRAULIC DRIVE SYSTEM.

Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD. OF 6-2, OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inevtnors : (1) TOICHI HIRATA, (2) GENROKU SUGIYAMA.

Application No. 424/Cal/1990; filed on 23rd May 1990.

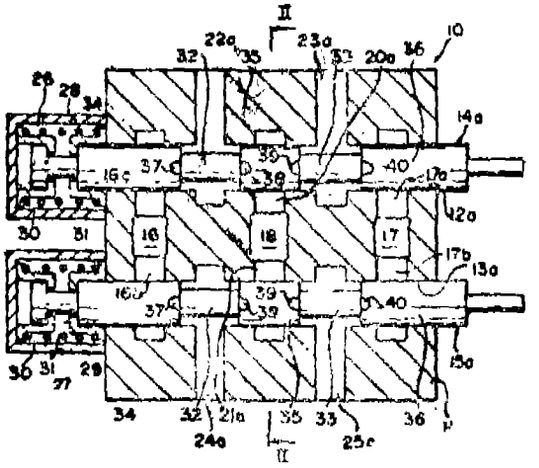
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

6 Claims

A valve apparatus for hydraulic drive system comprising casing (11; 41) formed therein with a plurality of spool bores (12a—13c; 42a, 43a), a single common pump port (19), at least one tank port (16t) and a plurality of actuator ports (22a—25c) including a pair of actuator ports communicating with each of said spool bores, and a plurality of spools (14a—15c; 44a—45c) slidably inserted respectively in said spool bores in said casing, each of said spools controlling communication between said common pump port and tank port and the corresponding pair of said actuator ports to provide a directional control valve of closed center type, characterised in that said plurality of spool bores include at least one set of pair of spool bores (12a, 13a; 42a, 43a) arranged in juxtaposed relation to each other, the pair of spool bores having axes located in a plane, and said plurality of spools include at least one set of pair of corresponding spools (14a, 15a; 44a, 45a) arranged in juxtaposed relation to each other, and said common pump port (19) is arranged

to communicate with a common pump line (18) formed between the pair of spool bores and spools arranged in juxtaposed relation so as to intersect the plane in which the axes of the pair of spool bores are located.

FIG.1



(Compl. Specn. 28 pages. Drgns. 5 sheets)

Int. Cl.: B 04 C 5/00, 5/04, 5/08. 174687

Cl.: 37—A.

A CYCLONE SEPARATOR FOR SEPARATING STEAM FROM WATER IN A STEAM/WATER MIXTURE.

Applicant: THE BABCOCK & WILCOX COMPANY OF 1010, COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LA 70160, UNITED STATES OF AMERICA.

Inventor: MELVIN JOHN ALBRECHT.

Application No. 834/Cal/1990; field on 01st October 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

4 Claims

A cyclone separator for separating steam from water in a steam/water mixture, comprising:

a separator housing having a conical portion with an axial length, an upper edge and a lower edge, an upper cylindrical steam outlet portion connected to the upper edge of the conical portion and having a central opening for discharging steam from the housing, a lower cylindrical water outlet portion having a bottom water outlet ring for discharging water from the housing, and an axially elongated steam/water mixture inlet connected tangetially to the housing,

wherein the inlet has a width to height ratio of 1 : 6.5, and an axial length amounting to 60% of the axial length of the housing, said inlet extending the full axial length of the conical portion with 20% of the axial length of the inlet extending over the lower cylindrical portion of the housing.

FIG.2

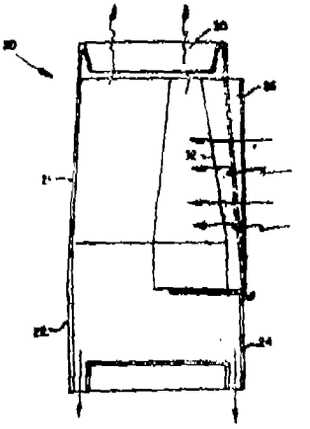
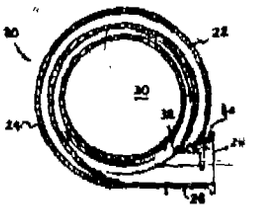


FIG.3



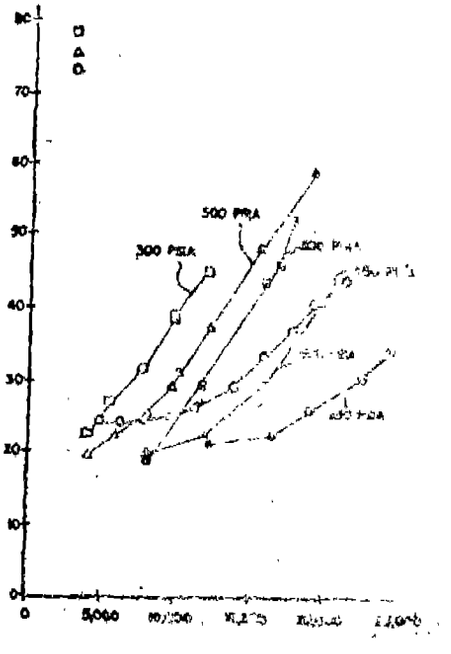


FIG.5

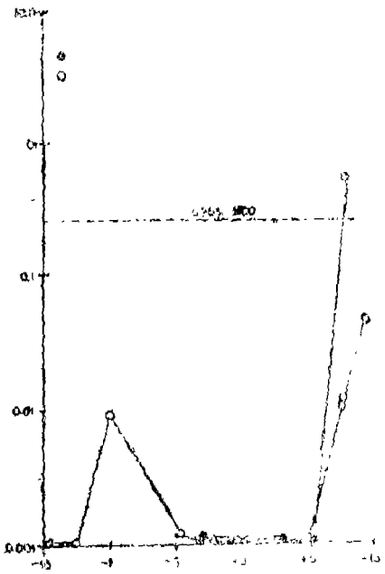


FIG. 6

(Compl. Specn. 12 pages Drgns. 5 sheets)

member (13) and is deflected in part, from the sealing member (13) to contact and activate the sensor (7).

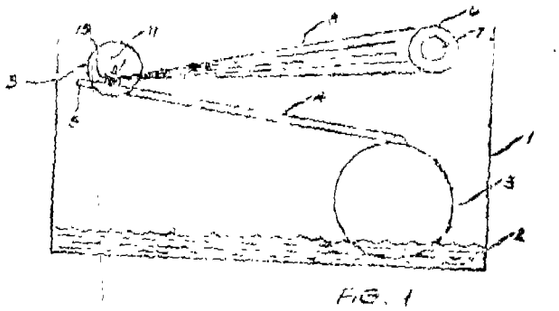


FIG. 1

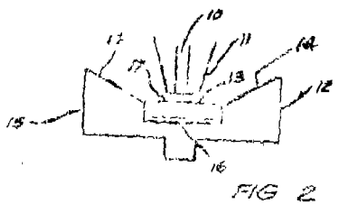


FIG 2

(Compl. Specn. 7 pages. Drgns. 1 sheet)

Cl.: 199 174688

Int. Cl.: F 16 K, 33/00.

BOILING WATER UNIT.

Applicant: ZIP HEATERS (AUSTRALIA) PTY. LIMITED 67 ALLINGHAM STREET, CONDELL PARK, NEW SOUTH WALES 2200, AUSTRALIA.

Inventor: (1) CHRISTOPHER ROY MARTIN.

Application No. 869/Cal/1990; filed on 10th October 1990.

(Convention No. PJ 6802; dated 11-10-1989; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

7 Claims

A boiling water unit comprising a main tank in which, in use, water is heated and from which, in use, heated water is drawn off and a float chamber (1) into which in use, water under supply pressure is admitted for transfer to the main tank, the float chamber (1) comprising a nozzle (11) to permit inflow of water to the float chamber (1), a float arm (4) carrying a float (3) at one end and being adapted to pivot about its opposite end and a temperature sensor (7) for controlling the heating of water in the main tank, characterised in that a valve seat (15) is affixed to the float arm (4) to close the nozzle (11) to prevent inflow of water to the float chamber (1) in response to elevation of the water level in the float chamber (1) and the valve seat (15) has a hollowed portion which is at least partially surrounded by a ramp surface (14) and a sealing member (13) shaped for accommodation in the hollowed portion, the arrangement being such that in use of the unit, water entering the float chamber (1) through the nozzle (11) first contacts the sealing

Cl.: 46 B & F & 129—G. 174689

Int. Cl.: G 07 F 7/00;
B 32 B 15/00.

BIMETALLIC COIN BLANK, PARTICULARLY FOR COINS AND THE LIKE.

Applicant: ISTITUTO POLIGRAFICO E ZECCA DELLO STATO OF 10 PIAZZA GIUSEPPE VERDI, I-00193 ROMA RM, ITALY, (2) VERRES S.P.A. OF 21, VIA GLAIR, I-11029, VERRES AO, ITALY.

Inventors: (1) IELPO NICOLA, AND (2) PATARINI PIERO.

Application No. 160/Cal/1991; filed on 20th February 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

4 Claims

Bimetallic coin blank, in particular for coins and the like, comprising an external element (1) having a central aperture, made of a first metal or metal alloy, and an internal element (6), made of a second metal or metal alloy different from the first, the contour of which is the same as the contour of said central aperture of said external element, said bimetallic coin blank being characterized by the fact that on the internal perimetral surface (4) of said central aperture in said external element (1) a series of perimetrally spaced grooves (5) are cut to allow material of said internal element to flow plastically into them by effect of a compression operation on said coupled external and internal elements (1, 6), and by the fact that on the perimetral surface of said internal element (6) a perimetral ridge (9) is formed so that by effect of said compression operation on the said coupled ex-

ternal and internal elements (1, 6), the material from the portions of said ridge (9) which are in correspondence with said grooves (5) flows plastically into the latter, while the material from the remaining portions of said ridge (9) is firmly fitted into the respective portions provided between adjacent grooves (5).

FIG. 2

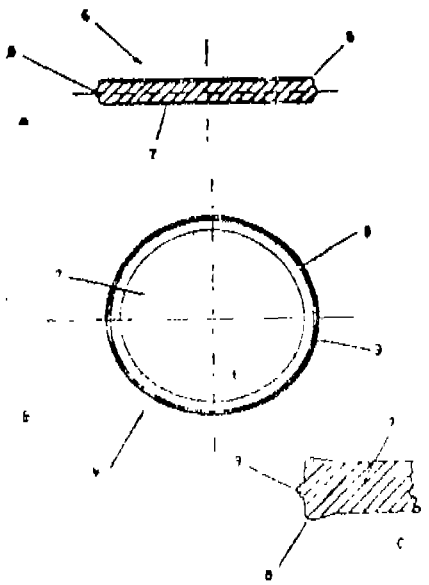


FIG. 3

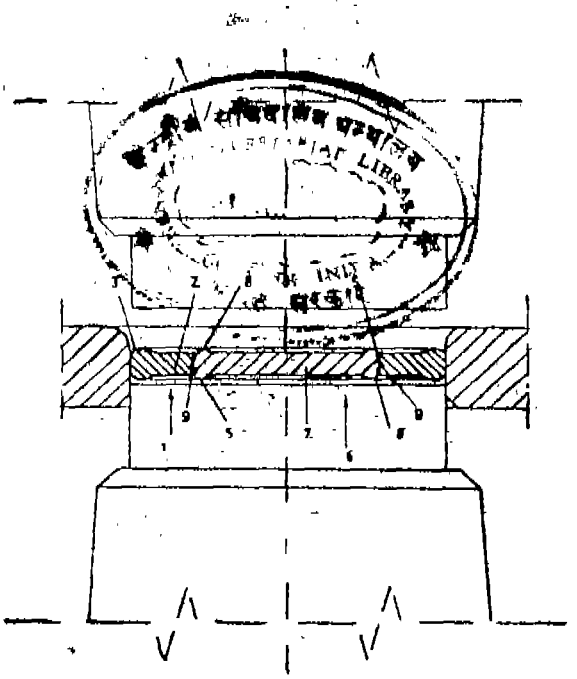
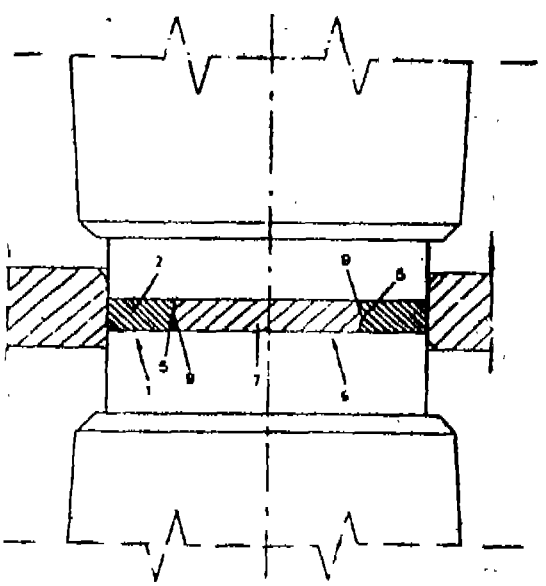


FIG 4



(Compl. Specn. 6 pages. Drgns. 4 sheets)

Cl. : 157-F. 174690

Int. Cl.[4] : E 01 B 27/12, 27/16, 27/18.

A TAMPING UNIT FOR TRACK TAMPING MACHINES FOR TAMPING THREE SLEEPERS.

Applicant : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H. OF 1010 VIENNA, JOHANNESGASSE 3 (AUSTRIA).

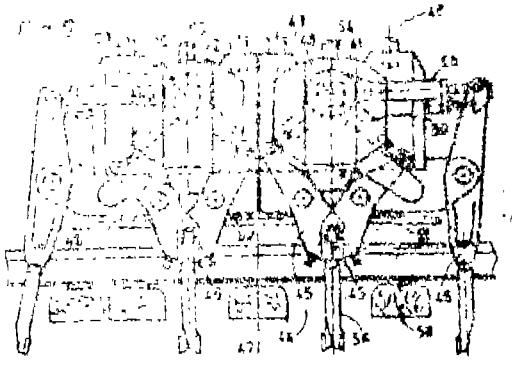
Inventor : ENG. JOSEF THEURER.

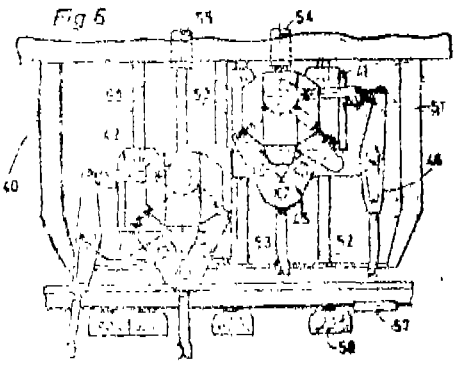
Application No. 260/Cal/1991; filed on 03rd April 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

12 Claims

A tamping unit for track tamping machines for tamping three immediately adjacent sleepers of a track comprising at least three pairs of tamping tools (20, 21, 21, 21, 21, 20) mounted in tandem longitudinally of the machine on a vertically displaceable tool carrier 33 or six tamping tools each comprising at least one tamping tine, the tamping tools being connected to an eccentric shaft by squeezing drives, characterized in that two eccentric shafts (23, 24, 48, 49) distanced from one another longitudinally of the machine are provided, each eccentric shaft (23, 24, 48, 49) being connected by the squeezing drive (29, 50) to an outer tamping tool (20, 46) situated in an end position relative to the longitudinal axis of the machine and to two adjoining inner tamping tools (21, 45).





(Compl. spcn. 16 pages ; Drgns. 2 sheets)

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Cal—10, Del—09, Bom—01 & Mas—20.

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug patent, F—Food patent.

RENEWAL FEES PAID

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1987

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1159/D/87—171794

1988

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526/M/88—171953

1988

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1988

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856/M/88—172816
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1988

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76/D/88—172177
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213/D/88—172602
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226/D/88—172362

1988

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1988

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493/D/88—172627
494/D/88—172782
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596/D/88—172729
598/D/88—172329

1988

599/D/88—172739
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607/D/88—171800
845/D/88—172550
956/D/88—171860

1989

15/C/89—171862
21/C/89—172611
25/C/89—171972
31/C/89—171973
41/C/89—172002
42/C/89—171803
44/C/89—172523
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69/C/89—172291
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98/C/89—171804
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112/C/89—172381
123/C/89—172243
124/C/89—171805
125/C/89—172512
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147/C/89—172561
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157/C/89—171824
161/C/89—172164
170/C/89—172513
171/C/89—171912
172/C/89—172382
178/C/89—171806
179/C/89—172461
180/C/89—172003
189/C/89—171825
192/C/89—172292
202/C/89—172462
204/C/89—172004
224/C/89—171863
227/C/89—171826
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253/C/89—172293
256/C/89—172345
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287/C/89—172005
293/C/89—172354
297/C/89—172861

1989

300/C/89—172055
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303/C/89—172374
305/C/89—172562
308/C/89—172524
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321/C/89—172294
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349/C/89—172245
353/C/89—171807
356/C/89—172246
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359/C/89—171865
360/C/89—171942
366/C/89—171943
369/C/89—172247
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378/C/89—171808
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416/C/89—172616
419/C/89—172007
423/C/89—172008
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427/C/89—172248
429/C/89—171945
432/C/89—171976
440/C/89—172166
443/C/89—172851
445/C/89—172009
449/C/89—172617
452/C/89—172564
453/C/89—172249
454/C/89—172516
460/C/89—172250
462/C/89—172167
468/C/89—172168
470/C/89—172295
472/C/89—172852
475/C/89—172853
478/C/89—172355

1989

481/C/89—172517
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486/C/89—171977
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620/C/89—172791
628/C/89—172713
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635/C/89—171809
636/C/89—172465
638/C/89—172865
639/C/89—171867
644/C/89—172359
670/C/89—172792
671/C/89—172618
678/C/89—171979
685/C/89—171868
687/C/89—172793
689/C/89—172424
694/C/89—172360
697/C/89—172466
698/C/89—171946
700/C/89—171828
701/C/89—172386
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723/C/89—172714
729/C/89—172057

1989

732/C/89—171827
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798/C/89—172794
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874/C/89—171869
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1052/C/89—172717
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324/B/89—172452
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3/M/89—172255
4/M/89—172643
6/M/89—171935
8/M/89—172802
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63/M/89—171965
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67/M/89—172804

1989

68/M/89—172121
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1989

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82/D/89—172220
65/D/89—172608
101/D/89—172747
171/D/89—172110
173/D/89—172748
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211/D/89—172610
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361/D/89—172050
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1108/D/89—172214
1232/D/89—172689
1258/D/89—172690

1990

1/C/90—172856
74/C/90—172389
182/C/90—172664
214/C/90—172296
219/C/90—172718
278/C/90—172519
279/C/90—172398
286/C/90—172797
302/C/90—172798

1990

323/C/90—172058
449/C/90—172297
456/C/90—172170
551/C/90—172390
606/C/90—172799
703/C/90—172800
833/C/90—172874
872/C/90—171948
878/C/90—172875
908/C/89—171919
947/C/90—171920
954/C/90—172427
1000/C/90—172059
1001/C/90—172060
1032/C/90—171949
29/B/90—172142
36/B/90—172481
47/B/90—171812
68/B/90—171885
71/B/90—172671
82/B/90—171891
83/B/90—171813
85/B/90—172841
88/B/90—171814
103/B/90—172482
112/B/90—172891
113/B/90—172892
114/B/90—172893
116/B/90—172143
126/B/90—172842
134/B/90—172141
[illegible]/B/90—172894
145/B/90—172031
161/B/90—172483
162/B/90—172895
186/B/90—172145
194/B/90—171815
196/B/90—172146
200/B/90—171892
201/B/90—171893
202/B/90—171816
207/B/90—172831
208/B/90—172896
220/B/90—172843
232/B/90—172484
239/B/90—171817
241/B/90—171894
242/B/90—171818
254/B/90—172147
257/B/90—172844
261/B/90—172897
265/B/90—171895
267/B/90—171896
269/B/90—171761
272/B/90—172148
279/B/90—172845
300/B/90—171762

1990

301/B/90—171763
307/B/90—172032
314/B/90—172672
317/B/90—171765
323/B/90—172898
324/B/90—172899
331/B/90—171819
332/B/90—171764
334/B/90—171820
341/B/90—171884
349/B/90—172900
350/B/90—172033
173/M/90—172128
199/M/90—172128
200/M/90—171957
430/M/90—171850
572/M/90—172157
621/M/90—172079
668/M/90—171996
819/M/90—171966
834/M/90—172434
841/M/90—172436
854/M/90—172437
880/M/90—172189
891/M/90—172267
903/M/90—172573
905/M/90—172553
918/M/90—172574
919/M/90—172438
944/M/90—172205
945/M/90—172268
966/M/90—171849
967/M/90—172439
986/M/90—172158
990/M/90—172703
1205/M/90—171958
993/D/90—172750

1991

6/C/91—171810
29/C/91—171830
89/C/91—172298
131/C/91—172399
153/C/91—172350
242/C/91—172665
263/C/91—172857
272/C/91—172666
281/C/91—171950
317/C/91—172520
325/C/91—172428
342/C/91—172667
354/C/91—172877
356/C/91—17249
359/C/91—172878
370/C/91—172520
374/C/91—172858
409/C/91—172300

1991

412/C/91—172719
421/C/91—172468
490/C/91—172429
498/C/91—172668
518/C/91—171980
550/C/91—172010
606/C/91—172859
650/C/91—172400
665/C/91—172879
679/C/91—172720
709/C/91—172669
755/C/91—172469
777/C/91—172470
839/C/91—172670
914/C/91—172860
3/B/91—172453
6/B/91—172673
14/B/91—172832
17/B/91—171897
20/B/91—171886
21/B/91—172454
26/B/91—172455
31/B/91—172456
32/B/91—172485
33/B/91—172486
39/B/91—172846
42/B/91—172847
50/B/91—171766
54/B/91—172149
59/B/91—172487
64/B/91—172488
66/B/91—172674
67/B/91—172034
68/B/91—171887
69/B/91—172035
70/B/91—171888
72/B/91—171767
73/B/91—171898
77/B/91—172489
78/B/91—172883
79/B/91—172884
81/B/91—171899
83/B/91—172885
84/B/91—172886
85/B/91—172887
95/B/91—172036
96/B/91—172037
99/B/91—172038
106/B/91—172848
115/B/91—172039
116/B/91—171768
120/B/91—171900
126/B/91—172675
127/B/91—172888
128/B/91—172457
129/B/91—172889

1991

132/B/91—172458
135/B/91—172040
136/B/91—172890
142/B/91—172459
146/B/91—172881
153/B/91—172833
156/B/91—172676
162/B/91—172460
163/B/91—172490
172/B/91—172882
175/B/91—171769
178/B/91—171889
181/B/91—172834
217/B/91—171890
218/B/91—172835
229/B/91—172836
231/B/91—172150
250/B/91—172837
265/B/91—172838
272/B/91—171770
273/B/91—172677
321/B/91—172839
354/B/91—172840
356/B/91—172678
2/M/91—171967
24/M/91—172554
31/M/91—172440
33/M/91—172650
34/M/91—172206
44/M/91—172504
51/M/91—172129
63/M/91—171968
69/M/91—172000
70/M/91—172080
71/M/91—172159
79/M/91—172704
98/M/91—172505
99/M/91—172117
100/M/91—171998
101/M/91—172118
102/M/91—171999
103/M/91—171997
104/M/91—172119
105/M/91—172705
106/M/91—172706
107/M/91—172707
121/M/91—171959
123/M/91—172575
151/M/91—172576
155/M/91—172555
175/M/91—172207
203/M/91—171960
247/M/91—172208
250/M/91—172556
256/M/91—172577

1991

258/M/91—172708
274/M/91—172209
289/M/91—172557
296/M/91—172160
315/M/91—172558
361/M/91—172559
396/M/91—172578
399/M/91—172560
409/M/91—172210
421/M/91—172240
449/M/91—172709
472/M/91—172710

1991

655/M/91—172120
658/M/91—172130
709/M/91—171969
735/M/91—171970
809/M/91—172269
844/M/91—172698
944/M/91—172699

1992

16/C/92—172880
49/C/92—172570
409/C/92—172430

1992

25/B/92—172679
40/B/92—172849
44/B/92—172850
369/B/92—172680
23/M/92—172190
26/M/92—172700
31/M/92—172506
35/M/92—172507
136/M/92—172579
157/M/92—172580
289/M/91—172270
357/M/92—172508

REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911

The date shown in the each entries is the date of the registration included in the entries.

Class 3. No. 167153, Colgate Palmolive Company, a Delaware corporation of 300 Park Avenue, New York, New York 10022, U.S.A., "TOOTH-BRUSH", 5th April 1994.

Class 3. No. 166855, —Do—, "FILM", 17th February 1994.

Class 3. No. 166858, Motorola Inc., a corporation of the State of Delaware, U.S.A., of 1303 East Algonquin, schaumburg, Illinois, 60196, U.S.A., "SELECTIVE CALL RECEIVER", 18th February 1994.

Class 3. No. 166853, —Do—, "HOUSING FOR A PORTABLE RADIO/PHONE", 17th February 1994.

Class 3. No. 166917, Pearl Polymers Limited, 704 Rohit House, 3, Tolstoy Marg, New Delhi, 110001, India, "BOTTLE", 7th March 1994.

Class 3. No. 167566, Terai Tea Co. Ltd., of 11, Govt. Place East, Calcutta 69, W. Bengal, India, a Limited company whose director is RAJENDRA KANODIA, "POUCH", 26th May 1994.

Class 3. No. 167201, Olympia Health Products Pvt. Ltd., 6-3-873/1, Panjagutta, Hyderabad, Andhra Pradesh, India, "ROWING MACHINE", 18th April 1994.

Class 3. No. 167597, Parag Products, Sadar Pura, 1st B. Road Jodhpur, Rajasthan, India, an Indian Proprietorship concern, "POLY PACK", 6th June 1994.

Class 3. No. 166813, Krishan Kumar, Agro Plast, 487/107 Near Ramlila Ground, Peeragarhi, Delhi 110041, India, "CARRYING BASKET", 9th February 1994.

Class 3. No. 167191, Schweppes International Limited, of 25 Barkeley Square, London WIX 6HT, England, "BOTTLE", 12th April 1994.

Class 3. No. 167517, Elev Industries Ltd. A 107, 108 & 109, Sector IV, Noida 201301 (U.P.), India, "NOZZLE", 16th May 1994.

Class 3. No. 167124, Dilip Shantaram Dahanukar, Industrial assurance Building, Churchgate, Bombay 400020, Maharashtra, India, "FLY TRAP", 28th March 1994.

Class 3. No. 167742, Ravi Drolia of 306, Blue Diamond, Juhu Road, Santacrus (W), Bombay 54, Maharashtra, India, "BALL PEN", 4th July 1994.

Class 3. No. 167038, K. Raheja Exports Pvt. Ltd., 1401, Raheja Centre, Nariman Point, Bombay 21, Maharashtra, India, "CONTAINER", 18th March 1994.

Class 3. No. 167368, Sega Enterprises, Ltd., of 2-12, Haneda 1 Chome, Ohta-Ku, Tokyo, Japan, "VIDEO GAME MACHINE", 3rd May 1994.

Class 3. No. 167717, Ajay Chachra of R 511, New Rajinder Nagar, New Delhi 110060, India, "TONGUE CLEANER", 29th June 1994.

Class 3. No. 167715, Vijay Kumar Galhotra Trading as Charkha Chemical & Soap Industries, A 3, Wazirpur Industrial Area, Delhi 110052, India, "POLY PACK", 29th June 1994.

Class 3 No. 166354, Tide Water Oil Co. (India) Ltd., 4th 3rd Floor, Kamani Chambers, 32 R Kamani Marg, Ballard Estate, Bombay 38, Maharashtra, India, "CONTAINER", 13th October 1993.

Class 3. No. 167724, MRF Limited, 124, Greams Road, Madras 600006, Tamilnadu, India, "PRECURED TREAD RUBBER", 30th June 1994.

Class 3. No. 166496, Vinci Limited, a British Company, of 60 Jermyn Street, London SWIY 6LX, England, "A SPRAY", 14th May 1993.

Class 3. No. 166596, Tate Keltron Limited, incorporated in India, Kanjikode West, Palghat 678623, Kerala, India, "TELEPHONE RECEIVER SET", 17th December 1993.

Class 3. No. 166404, Genius Plastics, a partnership firm, having office at Sakl Vihar Road, Choksi Compound, Pawai, Bombay 400072, Maharashtra, India, "A TWO GAND PLATE", 20th October 1993.

Class 3. No. 166839, Wm Wringley Jr. Company, of the State of Elaware, U.S.A., of 410 North Michigan Avenue, Chicago, Illinois 60611, U.S.A., "HEXAGONAL CONTAINER", 14th February 1994.

Class 3. No. 167838, Automatic Instrument Pvt. Ltd., 3/2 Mayapuri Industrial Area, Phase II New Delhi 110064, India, "RATARY SWITCH", 2nd August 1994.

Class 3. No. 167551, Kazimierz Piotrowicz, a Polish Citizen of Ul Zurawice 2, 32500 Chrzanow, Poland, "SHOE INSOLE", 23rd May 1994.

Class 3. No. 166369, Molton Plastics Limited, having its office at 58 D, Govt. Industrial Estate, Charkop, Kandivli (W) Bombay 400067, Maharashtra, India, "ELECTRICAL FOOD WARMING BOX", 13th October 1993.

Class 3. No. 166860, Ms Manica Chawla, Sole Proprietor of KIDDIKRAFT 8596/XII Bahar Garh, Roshanara Road, Delhi 7, India, "BABY CAR SEAT", 21st February 1994.

Class 3. No. 168021, Docbel Industries, 3/17, Asaf Ali Rd., New Delhi 110002, India, a Proprietorship firm, WEGHING SCALE", 29th August 1994.

Class 3. No. 167653, Concorde Agro Sprayers Pvt. Ltd., 107 B, Dayanand Nagar, Lawrence Road, Amritsar 143001, Punjab State, India, "PUSH PULL HOSE CONNECTOR", 20th June 1994.

Class 3. No. 167811, Stanley Corporation, A 2/72 Rajouri Garden, New Delhi 27, India, an Indian Proprietorship concern, "RUBBER STAMP KIT", 25th July 1994.

Class 3. No. 167976, Charkha Detergent & Soap Enterprises, A 3, Wazirpur Industrial Area, Delhi, India, an Indian Partnership firm, "POLLY PACK", 24th August 1994.

Class 3 No. 167270, Savoy Herbals Ltd. having its office at Ground floor, 7th Road, Santacruz (E), Bombay-55, Maharashtra, India, "BOTTLE", 27th April 1994.

Class 3. No. 166895, Jalaram Plastic Industries, 10 Deven Ind. Estate, I.B. Patel Rd., Goregaon (E) Bombay 63, Maharashtra, India, a proprietory concern, "MIXER GRINDER BODY", 28th February 1994.

Class 3. No. 167020, Bonne Care Pvt., Ltd., 48 S.S.I., G.T. Karnal Road, Delhi 33, Delhi State, India, "BOTTLE", 16th March 1994.

Class 3. No. 167435, Alapati Bazra Ambica Prasad, Anasuya Bhavan, Powerpet, Eluru 534002, A.P., India, "BOTTLE", 8th May 1994.

Class 3. No. 167544, C Lal Electrical & Mechanical of 14 Industrial Estate, Ambala City 134002, Haryana, India, and whose proprietor is Rajinder Nath, "COVER FOR A FOOD PROCESSOR", 20th May 1994.

Class 3. No. 166539, Time Packaging Ltd., of 604, Vishwananak I.C.T. Link Road, Chakala, Andheri (E), Bombay 99, Maharashtra, India, "JURRYCAN" 3rd December 1993.

Class 3. No. 168138, *Dabur India Ltd. an Indian Company* 22 Site IV Sahibabad, Ghaziabad, U.P., India, "CONTAINER", 21st September 1994.

Class 3. No. 167769, Nature Care Products (P) Ltd., W183, North Main Road, Nnna Nagar, West Extension, Madras 600001, Tamil Nadu, India, "CONTAINER", 13th July 1994.

Class 3. No. 166786, Mipak Plastics Pvt. Ltd., 16 Khaitan Bhawan 198 J Tata Road, Bombay 20, Maharashtra, India, "LIQUID SPRAY CONTAINER", 4th February 1994.

Class 3. No. 166868, Sonia Engineering Works Pvt. Ltd., G 1/3, G.T. Karnal Road, Industrial Area, Delhi, India, "HANDLE OF PRESSURE COOKER", 21st February 1994.

Class 3. No. 165456, West Coast Home Products Pvt. Ltd., of A 61 Kaveri, 63, Relief Road, Malad (W), Bombay 64, Maharashtra, India, "BOTTLE", 23rd March 1994.

Class 3. No. 167868, Jyotsnaben Babulal Patel, Indian Sole Proprietor of Poonam Plastic Products, 14/13/8, Mahendrakumar's Chal, Opp. Vijay Bank, Naroda Road, Ahmedabad, Gujarat, India, "BATH SHOWER", 8th August 1994.

Class 3. No. 166932, Raju Nishikant Joshi of opp. Kodak, Cadel Road, Prabhadevi, Bombay 25, Maharashtra, India, "CAN", 8th March 1994.

Class 3. No. 166588, Mapco Structural Foam (P) Ltd., of No. 36B, Raghav Ratna Towers, Chirag Ali Lane, Hyderabad 500001, A.P., India, "STAND", 13th December 1993.

R. A. ACHARYA
Controller General of Patent, Design & Trade Marks

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